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IN THE CLAIMS

1. (Currently amended): A grease composition consisting of a base oil, a thickener and an extreme-pressure agent containing sulfur in a molecular structure thereof, wherein said extreme-pressure agent is added to said base oil so that a product of an amount (mgS/g) of active sulfur contained in said extreme-pressure agent and an addition amount (wt %) of said extreme-pressure agent with respect to an entire amount of said grease composition is in a range of 3 to 13,

wherein said base oil is mineral oil, said thickener is lithium soap, and said extreme-pressure agent is at least one extreme-pressure agent selected from among sulfurized grease, sulfurized olefin, ester sulfide, molybdenum dithiocarbamate, zinc dithiocarbamate, zinc dithiophosphate, and molybdenum dithiophosphate.

2. (Original): The grease composition according to claim 1, wherein not less than two kinds of said extreme-pressure agents are added to said base oil; a product of an amount (mgS/g) of active sulfur contained in each of said extreme-pressure agents and an addition amount (wt %) of each of said extreme-pressure agents with respect to an entire amount of said grease composition is found; and said extreme-pressure agents are added to said base oil so that a sum of said products computed for all of said extreme-pressure agents is in a range of 3 to 13.

3. (Canceled)

4. (Canceled)

5. (Currently amended): A method of manufacturing a grease composition consisting of a base oil, a thickener and an extreme-pressure agent containing sulfur in a molecular structure thereof, comprising

a step of adding said thickener and [[an]] said extreme-pressure agent containing sulfur in a molecular structure thereof to said base oil,

wherein said extreme-pressure agent is added to said base oil so that a product of an amount (mgS/g) of active sulfur contained in said extreme-pressure agent and an addition amount (wt %) of said extreme-pressure agent with respect to an entire amount of said grease composition is in a range of 3 to 13, and

wherein said base oil is mineral oil, said thickener is lithium soap, and said extreme-pressure agent is at least one extreme-pressure agent selected from among sulfurized grease, sulfurized olefin, ester sulfide, molybdenum dithiocarbamate, zinc dithiocarbamate, zinc dithiophosphate, and molybdenum dithiophosphate.

6. (Previously presented): A rolling bearing comprising an inner ring; an outer ring; a plurality of rolling elements interposed between said inner ring and said outer ring; and a grease composition enclosed in a periphery of said rolling elements, wherein said grease composition is a grease composition according to claims 1 or 2.

7. (Original): The rolling bearing according to claim 6, wherein said rolling bearing is a ball bearing.

8. (Canceled)

9. (Canceled)